

Title (en)

APPARATUS FOR EXTRACORPOREAL BLOOD TREATMENT, COMPRISING A MEASURING DEVICE FOR DETERMINING THE LUMINESCENCE OF THE SPENT DIALYSATE

Title (de)

VORRICHTUNG ZUR EXTRAKORPORALEN BLUTBEHANDLUNG MIT EINER MESSEINRICHTUNG ZUR BESTIMMUNG DER LUMINESZENZ DER VERBRAUCHTEN DIALYSIERFLÜSSIGKEIT

Title (fr)

DISPOSITIF DE TRAITEMENT SANGUIN EXTRACORPOREL DOTÉ D'UN DISPOSITIF DE MESURE POUR DÉTERMINER LA LUMINESCENCE DU LIQUIDE DE DIALYSE USAGÉ

Publication

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Application

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Abstract (en)

[origin: WO2011154514A1] The invention relates to an apparatus for extracorporeal blood treatment, comprising a dialyzer which is divided into a first and a second chamber (29, 30) by means of a semipermeable membrane. The first chamber (29) is arranged in a dialysate path, while the second chamber (30) can be connected to a patient's blood circulation by means of a blood supply line (32) and a blood discharge line (31). The apparatus further comprises an inlet (20) for fresh dialysate, an outlet (36) for spent dialysate, and a measuring device (37) that is arranged in the outlet (36) and includes at least one radiation source (1) for substantially monochromatic electromagnetic radiation. In order to determine a luminescence of the spent dialysate flowing through the outlet (36), the measuring device (37) includes at least one detector system (5) for detecting the intensity of the electromagnetic radiation generated by luminescence.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

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